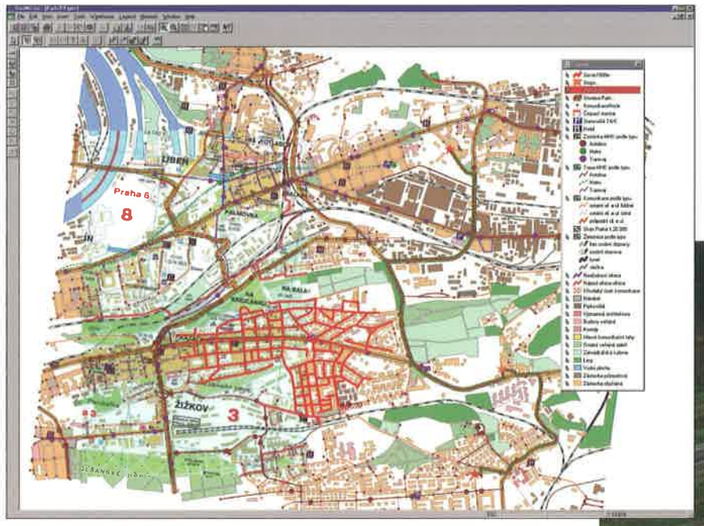

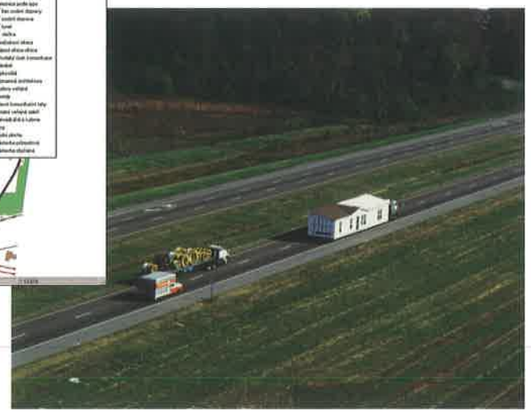

GeoMedia Network provides a powerful suite of standard network analysis tools that can be used right out of the box or as the basis for creating custom solutions for network-related applications.

Impactors

GeoMedia Network uses three types of impactors – edge, node, and turn.

- Edge impactors provide a user-defined measure of the relative length of edges in the network.
- Node impactors model cost or delays associated with traversing nodes in the network.
- Turn impactors show turning restrictions and delays at street intersections.

Restrictors

Users define restrictors to dynamically "guide" path optimizations along feasible routes, allowing for data-driven analyses such as determining possible paths for weight- or height-restricted vehicles.

With twenty-five years' experience in providing the transportation industry with reliable solutions, Intergraph is the clear choice for your technology needs. Serving transportation agencies worldwide, we provide complete solutions, including implementation services and software for GIS/mapping and civil engineering applications. Because Intergraph works with major technology partners, such as Microsoft, Oracle, and premier transportation industry partners, you can be secure in the knowledge that you're implementing the latest, proven technology. You rely on your data. Now choose the total solution provider with the experience, focus, and commitment to make your goals a reality.

To learn how to manage your transportation needs efficiently and easily, call Intergraph today!

U.S.	1-800-791-3357
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Middle East	971-4-367555
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INTERGRAPH

GeoMedia Network

The GIS solution for network analysis

INTERGRAPH GeoMedia™ Network

INTERGRAPH

GeoMedia Network

The GIS solution for network analysis

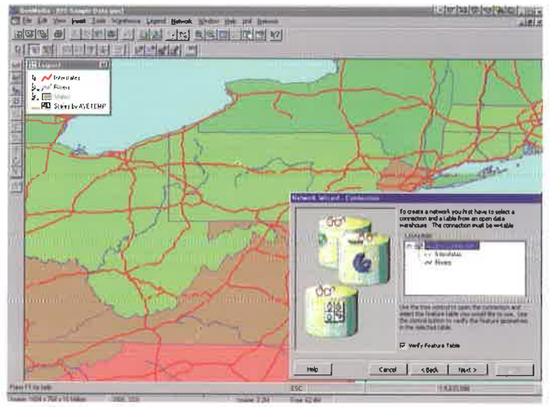
GeoMedia Network is the comprehensive solution for analyzing transportation and logistics networks. A powerful suite of network analysis tools and an application programming interface (API) extend the GeoMedia universal spatial client. GeoMedia Network enables you to use the standard network analysis workflows right out of the box or to create custom solutions for network-related problems. Designed for transportation and logistics professionals, planners, engineers, and independent software developers, GeoMedia Network provides solutions for transportation applications, including:

- Public transit
- Emergency response
- Automated vehicle location processing
- Route planning
- Garbage collection
- Military convoy routing
- Service calls
- Sales trip planning
- Oversized vehicle permit routing
- Truck routing

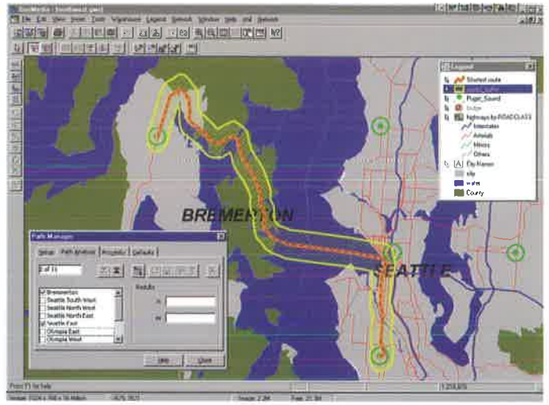
GeoMedia Network, unlike other network analysis products, brings you the leading technology you need to manage your transportation needs.

On-the-fly access

With direct access to virtually any spatial data warehouse – including Intergraph, ESRI, and CAD formats; linear referencing systems; and Oracle Spatial Cartridge – you create networks without cumbersome and time-consuming data translations.



GeoMedia Network enables you to compile network topology from linear transportation features stored in virtually any GIS warehouse.



Optimal path results directly from the GeoMedia Network workflow and can be used for any spatial analysis.

Seamless integration

GeoMedia Network brings you seamless integration with a full range of GIS tools, providing an easy transition to data processing, spatial analysis, dynamic segmentation, thematic mapping, and layout composition workflows. With its familiar, standard Windows interface, you'll experience short learning curves, quickly and easily maximizing productivity and solving network problems in less time than ever before.

Open customization

Although ready for use right out of the box, with open customization options GeoMedia Network can easily be tailored to fit directly into your current workflow. The sophisticated network optimization functional library is easily customized with industry standard tools like Visual Basic, Visual C++, PowerBuilder, or Delphi, enabling rapid application development of transportation and logistics network-based solutions.

The latest technology

Fast, reliable, and easy to install and use, GeoMedia Network brings you comprehensive documentation and a step-by-step tutorial to ensure your success. Bringing the latest technology to your fingertips, GeoMedia Network takes advantage of industry standards, state-of-the-art software architecture, and the latest developments in network modeling research achievements. With its reliance on the 32-bit Microsoft Windows operating environment and Component Object Model (COM)-based architecture, GeoMedia Network brings a new level of customization freedom, object approach, and integration with office automation and enterprise information systems. GeoMedia, the foundation for GeoMedia Network and the first universal spatial client to realize the Open GIS Consortium's vision , has already been adopted by a number of major transportation agencies including more than one third of the U.S. State Departments of Transportation (DOTs). And GeoMedia Network's high-performance, 32-bit network optimization engine and extensive functions library (bringing you more than 80 functions) ensures success with its proven record of transportation, government, and military applications on hundreds of seats worldwide.

GeoMedia Network optimizes exisiting workflows, while helping you set up new ones:

- Build connectivity from network features stored in any GeoMedia data warehouse.
- Find the best route between locations based on time, cost, distance, or any other measure you specify.
- Determine the closest facility to a location on the network or sort and display facilities in order of increasing distance, time, cost, or any other unit.
- Generate a route travelogue using street name, sign route, or any other combination of fields. Then print the travelogue along with a map for a detailed description of the route.
- Store routes as new geometric features in a data warehouse or as query objects in a GeoMedia workspace. The results of an analysis can then be used in subsequent spatial analysis, thematic mapping, or layout composition operations.
- Determine the area accessible from a location on the network within a given measure of time, cost, distance, or some other metric.
- Create commands quickly using the GeoMedia Network application programming interface and add them into your workflow either as desktop productivity applications or enterprise solutions.

GeoMedia Network tools and parameters ensure immediate productivity by bringing you the ease of use you demand:

Network Wizard

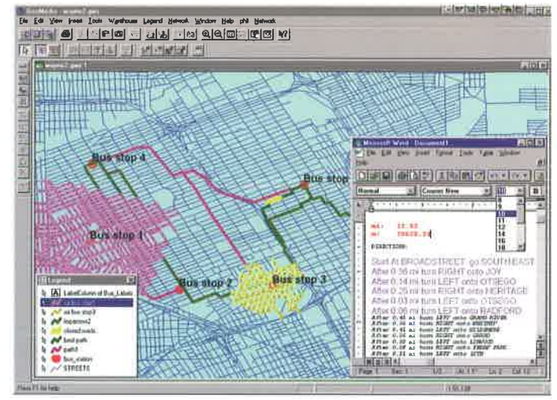
A guided step-by-step approach to building networks from feature tables stored in data warehouses, the Network Wizard provides procedures for removing and editing existing networks in a data warehouse.

Network Manager

This suite of tools loads and manages networks that are stored in a data warehouse and identifies topological errors present in the network.

Stop Manager

By allowing the user to create, delete, and manage Stop Tables in a data warehouse, this tool enables the user to solve structured or database-driven network analysis problems.



Based on OLE Automation and Windows standards, GeoMedia Network is easily customizable and seamlessly integrates with popular office automation tools.

Path Manager

Providing a set of optimization functions designed to work with Stop Tables, Path Manager is designed to provide quick "what-if" analysis capabilities for the decision-maker. The paths created by the Path Manager can be stored as standard GeoMedia queries or in path tables for immediate display and use in GeoMedia. Path Manager provides routines to solve queries like determining shortest path, optimized path, tours, closest facilities, and service area location.

Easy-Router

An interactive path generation module, Easy-Router can be used to solve ad-hoc path queries from an intuitive map interface and to allow path and distance/time-based topological searching.